

LEARNING SYSTEM WITH LEARNER-CONSTRUCTED RESPONSE BASED TESTING METHODOLOGY

5 **ABSTRACT**

 A methodology in which a learner-constructed response is provided in answer to
a question presented by the system, the response being evaluated by comparison with pre-
defined expected responses and, based upon the evaluation, the system determining
whether to proceed to another question or to offer remedial feedback. Such a learner-
constructed response based evaluation methodology greatly reduces the potential for
"guess-work" based correct responses and improves the training process through remedial
feedback and advancement upon demonstration of knowledge.